

ISAYEV, I.P., prof., doktor tekhn. nauk; SAKOVICH, A.A., kand. tekhn. nauk;  
BRUNSHTEYN, D.P., inzh.; IN'KOV, Yu.M., inzh.; POLYAKOVA, T.S., inzh.

Distribution of reverse voltage in series-connected rectifiers.  
Trudy MIIT no.207:15-29 '65. (MIRA 19:1)

L 61034-10 EWT(a)/EWA(j)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) Pf-4 JD/HW  
 ACCESSION NR: AR5017427 UR/0137/65/000/006/D034/D034

SOURCE: Ref. zh. Metallurgiya, Abs. 6D223

57  
 43

AUTHOR: Chuyko, P. I.; Savin, G. A.; Kolesnikov, V. N.; Putyatina, Z. V.;  
 Isayev, I. N.

TITLE: Production of 40 x 2.0 and 40 x 1.5 mm tubes from stainless steel by cold drawing on a long mandrel

CITED SOURCE: Sb. Proiz-vo trub. Vyp. 14. M., Metallurgiya, 1964, 40-43

TOPIC TAGS: pipe, stainless steel, metal drawing, metal heat treatment, metal rolling, organic lubricant

TRANSLATION: Experiments confirm the production of thin wall stainless tubes from billets with a diameter greater than 40 mm, by drawing on a long mandrel with subsequent gaging by drawing without a mandrel, and indicate the possibility of producing such tubes without intermediate heat treatment by drawing on a long mandrel in conjunction with rolling on machines of the oblique mill type. The best industrial lubricant for drawing stainless steel tubes on a long mandrel is a combination of oxalate and soap coatings. A. Leont'yev

Card 1/2

L 61034-65

ACCESSION NR: AR5017427

SUB CODE: MM

ENCL: 00

Card 2/2 *ADP*

ISAYEV, I.P., prof., doktor tekhn. nauk; SHEVANDIN, M.A., inzh.

Statistical evaluation of the performance efficiency of locomotive  
spring suspensions. Trudy MIIT no.207:71-85 '65.

(MIRA 19:1)

SAKHARCHUK, Yu.S., kand. tekhn. nauk, dotsent; ISAYEV, I.R., inzh.

Considering technical and economic factors in selecting the optimum variant of the technological process for molding parts. Izv. vys. ucheb. zav.; mashinostr. no. 11: 118-129 '60. (MIRA 14:1)

1. Moskovskiy avtomekhanicheskiy institut.  
(Molding (Founding))

Distr: LB3d

3290. APPROXIMATE DISPERSION RELATIONS FOR THE  
SCATTERING OF NUCLEONS BY NUCLEONS.  
V. Z. Blazhko and I. A. Izrael.  
Dokl. Akad. Nauk SSSR, Vol. 117, No. 5, 785-7 (1957). In Russian.  
Approximate information that can be obtained without knowledge  
of nucleon-nucleon scattering is derived. G. E. Brown.

*RE ENT*

ISAYEV, I.S., starshiy inzhener

Ways to reduce lap unevenness and variations. Tekst.prom.  
20 no.2:71-73 F '60. (MIRA 13:6)

1. Pryadil'naya laboratoriya Tsentral'noy nauchno-issledovatel'-  
skoy laboratorii kordnoy promyshlennosti.  
(Spinning)

SVOR V. A. ; (SAYV, S.S.

Modernization of the B49T defectoscope. May. Lab. 30  
no.5:632-633 164.

(MIR: 17:5)



KOPTYUG, V.A.; ISAYEV, I.S.; VOROZHTSOV, N.N.

Method of cleaving toluene- $C^{14}$  with the purpose of determining the position of the label in the nucleus. Dokl. AN SSSR 137 no.4:866-868 Ap '61. (MIRA 14:3)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR i Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva. 2. Chlen-korrespondent AN SSSR (for Vorozhtsov). (Toluene) (Carbon-Isotopes)

KOPTYUG, V.A.; ISAYEV, I.S.; VOROZHTSOV, N.N., mladshiy

Migration of the methyl group in a toluene molecule under the effect of aluminum bromide and hydrogen bromide. Dokl. AN SSSR 149 no.1:100-103/Mr '63. (MIRA 16:2)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR. 2. Chlen-korrespondent AN SSSR (for Vorozhtsov ml.)  
(Toluene) (Isomerization) (Methyl group)

KOPTYUG, V.A.; ISAYEV, I.S.

Mechanism of dichlorobenzene isomerization. Izv. AN SSSR. Ser.khim.  
no.3:582-583 Mr '64. (MIRA 17:4)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

KOPTYUG, V.A.; ISAYEV, I.S.; GERSHTEYN, N.A.; BEREZOVSKIY, G.A.

Mechanism of dichlorobenzene isomerization. Zhur. ob. khim.  
34 no.11:3779-3783 N '64 (MIRA 18:1)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo  
otdeleniya AN SSSR.

ISAYEV, I.S.; KARABEKOV, A.; KOPTYUG, V.A.

Mechanism of isomerization of aromatic bromo derivatives. Zhur.  
org. khim. 1 no.7:1248-1251 J1 '65.

(MIRA 18:11)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya  
AN SSSR.

NOVITSKAYA, N.N.; ISAYEV, I.S.; NEFEDOV, O.M.

Study of the mechanism of monocyclic hydrocarbon formation  
in the pyrolysis of 7,7-dichloronorcaranes by the tracer  
technique. Zhur.VKHO 10 no.4:458-459 '65.

(MIRA 18:11)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo  
AN SSSR i Novosibirskiy institut organicheskoy khimii  
Sibirskogo otdeleniya AN SSSR.

KOPTYUG, V.A.; ISAYEV, I.S.; YERYKALOV, Yu.G.; SPRYSKOV, A.A.

Isomerization of o-dichlorobenzene in the presence of  $AlCl_3$  .

Zhur. org. khim. 1 no. 12:2081-2083 D '65

(MIRA 19:1)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo ot-deleniya AN SSSR i Ivanovskiy khimiko-tekhnologicheskiy in-stitut. Submitted November 9, 1964.

ISAYEV, K.

Isayev, K. and Fedorov, S. - "The calculation of resistances in semi-conductor mediums aided by Maxwell's formulas," Trudy Studenchn. nauch.-tekhn. o-va (Mosk. energet. in-t im Molotova), Issue 3, 1949, p. 12-19

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)



ISAYEV, K.

Profgruppa na predpriiatii (Trade-union  
representatives in industry). Moskva, Profizdat,  
1953. 79 p. (V pomoshch' profsoiuznomu aktivu)

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

SADYKOV, A.S., akademik; PAKUDINA, Z.P.; BUZITSKOVA, Ye.P.; GULI-KEVKHYAN, A.Sh.; KARIMDZHANOV, A.; ISAYEV, Kh.

Accumulation dynamics of the reducing sugars, organic acids, pectic and tanning substances in the leaves and locks of some varieties of cotton. Uzb.khim.zhur. no.6:41-48 '58.

(MIRA 12:2)

1. AN UzSSR (for Sadykov). 2. Institut khimii rastitel'nykh veshchestv AN UzSSR (for all).

(Cotton)

(Biochemistry)

ISAYEV, K. B.

USSR/Electricity  
Heating  
Concrete

Jun 49

"Use of a System of Maxwell's Equations for Computing the Resistance Between Electrodes in the Initial Electrical Heating of Concrete,"  
Docent A. Netushil, Cand Tech Sci, K. B. Isayev, S. K. Fedorov,  
Students, Moscow Power Eng Inst Imeni Molotov, 4 pp

"Elektrichestvo" No 6

Passing an electric current directly through freshly laid concrete reduces hardening time. Seasonality in concrete construction work and bricklaying has practically been eliminated due to use of electric heating. No calculations had been made for setting of electrodes, and this often led to nonuniform heating. Makes necessary calculations for several types of electrodes using Maxwell's equations.

PA 54/49T31

SADYKOV, A.S.; ISAYEV, Kh.I.; ISMAILOV, A.I.

Extraction and separation of some substances of the cotton  
plant. Uzb. khim. zhur. 7 no.2:53-56 '63. (MIRA 16:8)

1. Institut khimii polimerov AN UzSSR.  
(Cotton) (Organic compounds)

FEREVOZCHIKOV, R.P., inzh. (g. Kemerovo); ISAYEV, K.I., master (g. Kemerovo)

Improvement of a desalinization system. Energetik 13 no.8:6-8  
Ag '65. (MIRA 18:9)

ISAYEV, Konstantin Mikhaylovich; LARINA, L.M., redaktor; KIRSANOVA, N.A.,  
tekhnicheskii redaktor.

[For smooth flowing production; experience in organising competition  
at the Molotov automobile factory in Gorkiy] Za ritmichnost' pro-  
izvodstva; iz opyta organizatsii sorevnovaniia na gor'kovskom avto-  
mobil'nom zavode imeni Molotova. [Moskva] Izd-vo VTsSPS Profizdat,  
1956. 60 p. (MIRA 9:7)

(Moscow--Automobile industry)

ISAYEV, Konstantin Mikhaylovich; POPOV, A.S., red.; SHADRINA, N.D.,  
tekhn.red.

[The trade-union group in plant] Profsoiuznaya gruppy na  
predpriatii. Moskva, Izd-vo Vsesoyuznogo Profizdat, 1960. 103 p.  
(MIRA 14:2)

(Trade unions)

ISAYEV, Konstantin Mikhaylovich; POPOV, A.S., red.; SHIKIN, S.T., tekhn.  
red.

[How to organize the work of a trade-union group in an enterprise]  
Kak organizovat' rabotu profgruppy na predpriatii. Moskva, Izd-vo  
VTsSPS, Profizdat, 1961. 93 p. (Bibliotekha profsoiuznogo aktivi-  
sta, no.9) (MIRA 14:9)

(Trade unions)



GLOBUS, L.M.; ZALESSKIY, V.A.; ISAYEV, K.N.; KOLGANOV, D.I.; VARFOLO-  
MEYEV, F.G., spetsial'nyy red.; BEL'KOVICH, A.V., red.;  
BRODSKIY, M.P., tekhn. red.

[Hunting and fishing appliances; a handbook] Okhotnich'i i  
rybolovnye tovary; spravochnik. [By] L.M. Globus i dr.  
Moskva, Gostorgizdat, 1963. 135 p. (MLA 16:6)  
(Fishing—Equipment and supplies)  
(Hunting—Equipment and supplied)

ISAYEV, K.S., kandidat tekhnicheskikh nauk.

Fastening rails to railroad ties with woodscrews. Transp.stroi. 6  
no.11:11-14 N '56: (MIRA 10:1)

(Railroads--Ties)

Isayev, K.S.

USSR/ Engineering - Nut drivers

Card 1/1 Pub. 128 - 4/33

Authors : Isayev, K. S.

Title : Impact-impulse action nut drivers

Periodical : Vest. mash. 36/1, 13-16, Jan 1956

Abstract : In 1953-1954, a series of tests were conducted by the All-Union Scientific Research Institute for Construction and Planning of Railroads, to determine efficiency and working processes occurring in the impact-impulse action type I-51 and I-96 nut drivers. High frequency photographic exposures and oscillographic methods were used in the above mentioned tests. Test results and their description, are given. Illustration; drawing; table; diagrams.

Institution : .....

Submitted : .....

ISAYEV, K.S., kandidat tekhnicheskikh nauk.

New lightweight ballast machines. Transp. stroi. 6 no.8:  
29-30 Ag '56.

(MIRA 9:10)

(Ballast)

ISAYEV, K.S.

PODYMОВ, L.M.; ISAYEV, K.S.; KUDRYASHOV, A.V.

Railroad track unit laying machine. Gor. zhur. no.4:49 Ap '58.  
(Mining machinery--Patents) (MIRA 11:4)  
(Mine railroads)

ISAYEV, K.S., kand. tekhn. nauk

Prospects for the automation of earthwork. Transp. stroi. 15  
no.11:27-29 N '65. (MIRA 18:11)

1. Rukovoditel' laboratorii sredstv avtomatizatsii  
Vsesoyuznogo nauchno-issledovatel'skogo instituta  
transportnogo stroitel'stva Ministerstva transportnogo  
stroitel'stva SSSR.

ISAYEV, K.S., kand.tekhn.nauk; CHEPELEV, V.N., inzh.

Prospects for automating the tracklaying operations.  
Transp. stroi. 16 no.1:23-25 Ja '66.

(MIRA 19:1)

ISAYEV, L.A., inshenor.

Work of innovators and inventors at enterprises of the Orekhovo-Zyvevo Peat  
Trust. Torf.prom. 30 no.9:8-10 S '53. (MLRA 6:8)  
(Orekhovo-Zyvevo--Peat industry) (Peat industry--Orekhovo-Zyvevo)



PAKHOMOV, E.A., inzhener; ISAYEV, L.A., inzhener.

On using combined firing in gas producer diesel locomotive engines.  
'Trudy TSNII MPB no.135:101-113 '57. (MIRA 10:8)  
(Diesel locomotives)

MAYZEL', L.M., kand.tekhn.nauk; CHERNOMORDIK, B.M., kand.tekhn.nauk; ISAYIV,  
L.A., inzh.

Use of free-piston gas generators for locomotive systems. Vest. ISNII  
MPS 19 no.3:27-31 '60. (MIRA 13:10)  
(Gas-turbine locomotives)

ISAYEV (Samarkand), L. I., Prof.

"Means of Eliminating Ascariasis in Central Asia."

Report presented at the Scientific Conference of the Dushanbe Inst. of Epidemiology and Hygiene (DIEG) devoted to problems of Epidemiology, Hygiene, Bacteriology, Virology and Parasitology, held in Dushanbe, December 1962. (Zdravookhraneniye Tadzhikistana, Dushanbe, No 3, 1963 pp 40-41)

ISAYEV, L. M., Prof.

"Control of Malaria in the Uzbek SSR," paper presented at the Joint Scientific Session held by AMS USSR and Min. of Pub. Health Uzbek SSR on Problems of Regional Pathology, 20-25 Sept 54, Tashkent, page 42

Attachemnt to B-98525, 30 Jul 56

In U. of Cal. Library

ISAYEV, L.M.

Marked decrease in the incidence of tick-borne spirochetosis in  
Uzbekistan. Med. paraz. 25 no.1:7-16 Ja-M '56 (MLBA 9:6)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva  
sdravookhraneniya Uzbekskoy SSR.  
(SPIROCHETOSIS, epidemiol.  
tick-borne, in Russia, decrease in incidence)

anc... ISAYEV, L. M.  
EXCERPTA MEDICA Sec 17 Vol 5/7 Public Health July 59

1995. EPIDEMIOLOGICAL FOUNDATIONS OF ASCARIASIS CONTROL METHODS  
(Russian text) - Isaev L. M. - MED. PARAZIT. 1958, 27/3 (258-263)  
The character of the epidemiological process should form the basis of the classification of ascariasis foci. A focus of ascariasis, i.e. a populated centre, is made up of microfoci (separate buildings or yards) where ascaris ova enter the soil and develop into larvae; eventually, inhabitants of these buildings or yards come in contact

*Uzbek Inst. Malaria & Med. Parasitology*

1995

with the larvae. Two types of foci are found in the USSR, differing according to the number of microfoci they embrace: only a few microfoci are found in the first type of focus, and many in the second. Microfoci of ascariasis are very stable. Only one type of focus prevails in a given area. Foci of the first type should be gradually eradicated through detection of their microfoci. For the 2nd type of focus, mass dehelminthization is planned towards the eradication of microfoci.

(XVII, 50)

ISAYEV, L.M.

Periods and frequency of mass dehelminthisation in foci of  
ascariasis [with summary in English]. Med.paraz. i paraz.bol.  
27 no.5:546-555 S-O '58. (MIRA 12:1)

1. Iz Uzbekistanskogo instituta malyarii i meditsinskoy parasito-  
logii (dir. - prof. L.M. Isayev).  
(ASCARIASIS, prev. & control,  
mass control of foci (Rus))



ISAYEV, L.M.

Eradication of leishmaniasis in the U.S.S.R. during the 7-year-plan. Med.paraz. i paraz.bol. 28 no.3:323-327 My-Je '59.  
(MIRA 12:9)

1. Iz Uzbekistanskogo instituta malyarii i meditsinskoy parazitologii (dir. instituta - prof.L.M.Isayev).  
(LEISHMANIASIS, prev. & control,  
in Russia (Rus))

ISAYEV, L.M., prof.

Means and methods for exterminating ascariasis in Uzbekistan.  
Med. zhur. Uzb. no.8:39-45 Ag '61. (MIRA 15:1)

1. Iz Uzbekskogo instituta ekperimental'noy parazitologii i  
gel'mintologii. (UZBEKISTAN ASCARIDS AND ASCARIASIS)

ISAYEV, L.M., prof.

[Ways and methods of ascariasis elimination in Uzbekistan; report at a conference devoted to diseases of tropical countries, September 1961, Tashkent] Puti i metody likvidatsii askariodoza v Uzbekistane; доклад na konferentsii, posviashchennoi bolezniam v stranakh s zharkim klimatom, sentiabr' 1961 g., Tashkent. Moskva, Medgiz, 1961. 10 p.  
(MIRA 17:3)

AKISHIN, A.I.; VASIL'YEV, S.S.; ISAYEV, L.N.

Cathode sputtering of mica and molten quartz by krypton ions.  
Izv. AN SSSR. Ser.fiz. 26 no.11:1356-1358 N '62.

(MIRA 15:12)

(Sputtering (Physics)) (Mica) (Quartz) (Krypton)

AKISHIN, A.I.; ANDREYEVA, M.G.; VASIL'YEV, S.S.; ISAYEV, L.N.;  
TSEPLYAYEV, L.I.

Action of electron bombardment and glow discharge on alloyed  
secondary electron emitters. Radiotekh. i elektron. 8 no.2:  
288-293 F '63. (MIRA 16:2)  
(Cathodes) (Thermionic emission)

AKISHIN, A.I.; ISAYEV, L.N.; TYUTRIN, Yu.I.

Scattering of alkali halide monocrystals by argon ions.

Radiotekh. i elektron. 9 no.11:2065-2067 N '64. (MIRA 27:12)

L 2572-66 EWT(m)/EPT(c)/EWP(j) DJ/GS/RM  
ACCESSION NR: AT5022679

UR/0000/65/000/000/0285/0289

AUTHORS: Akishin, A. I.; Troyanovskaya, G. I.; Isayev, L. N.; Sergeyeva, L. N.;  
Andreyeva, M. G.; Marchenko, Ye. A.; Alekseyev, N. M.

TITLE: Behavior of friction junctions and some self-lubricating materials in a vacuum under ion bombardment

SOURCE: AN SSSR. Nauchnyy sovet po treniyu i smazkam. Teoriya treniya i iznosa (Theory of friction and wear). Moscow, Izd-vo Nauka, 1965, 285-289

TOPIC TAGS: friction, wear, solid lubricant, molybdenum disulfide, polymer, ion radiation effect/ AMAN self lubricating material, AF ZA plastic lubricant

ABSTRACT: The effects of hydrogen ion bombardment on the coefficient of friction and on wear of friction junctions were investigated. Self-lubricating materials containing graphite,  $\text{MoS}_2$ ,  $\text{WS}_2$ ,  $\text{MoSe}_2$ , and various polymeric bonding matrices, and, in particular, material AMAN, bronze-based metalloceramic coated with  $\text{MoS}_2$  and plastic AF-ZA were tested in the apparatus shown on Fig. 1 on the Enclosure. The specimens were irradiated with 3-Kev hydrogen ions, and their friction and wear characteristics against a steel shoe (1 kg load, 1.2 m/sec) were measured over a

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9.5-hour period (1 hour run-in, 2 hours in vacuum, 6 hours in vacuum under radiation and 30 minutes without radiation, or 1 hour run-in and 8.5 hours in vacuum without radiation). It was found that the coefficient of friction decreased significantly in vacuum, but that radiation had no measurable effects on friction or wear of any materials tested. Thus the coefficient of friction can be calculated from

$$f = 0.35 C_5 \left( \frac{p_0}{HB} \right)^{\frac{1}{2}} + 0.98 + \frac{\gamma_0}{HB}$$

(where  $f$  = adhesion coefficient,  $C_5$  and  $\gamma$  = microstructure characteristics,  $\tau_0$  = specific shear adhesion,  $p_0$  = contour pressure) which is suggested by Kragel'niky and Mikhin. The wear can be calculated from

$$I = k \frac{h \left[ -\ln \left[ 1 - \frac{h_{max}}{R} \left( \frac{p}{bHB} \right)^{\frac{1}{2}} - \sqrt{2 \frac{h_{max}}{R} \left( \frac{p}{bHB} \right)^{\frac{1}{2}} \frac{1 - \frac{2\epsilon}{\sigma_s}}{1 + \frac{2\epsilon}{\sigma_s}}} \right] \right]}{l (\nu + 1) (\ln(1 + \nu))^2} \frac{p}{HB}$$

(where  $\theta$  = angle of irregularities on friction surface,  $\delta$  = elongation in tension,  $\tau_s$  = yield point). Orig. art. has: 2 formulas, 3 tables, and 2 figures.

ASSOCIATION: Nauchnyy sovet po treniyu i smazkam, AN SSSR (Scientific Committee on Friction and Lubrication, AN SSSR)

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L 2572-66

ACCESSION NR: AT5022679

SUBMITTED: 18May65

ENCL: 01

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SUB CODE: FP, ME

NO REF SOV: 002

OTHER: 001

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L 2572-66

ACCESSION NR: AT5022679

ENCLOSURE 01

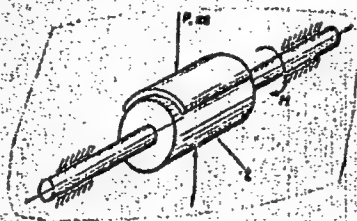


Fig. 1. Experimental apparatus: 1 - ion stream, 2 - specimen

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ISAYEV, L.P., inzh.

Stand for testing mechanical strength up to 500 kg. Vest. sviazi :  
23 no.12:9-10 D '63. (MIRA 17:2)

1. Sed'moy radiotranslyatsionnyy uzel Moskovskoy gorodskoy radio-  
translyatsionnoy seti.

AUTHOR: Isayev, L.Ye., Engineer

SOV-99-58-8-7/11

TITLE: Experience in Using Asbestos-Cement Pipes for Reinforcing Bore Holes in the Altay Kray (Opyt primenaniya asbotsementnykh trub pri kreplenii burovykh skvazhin v Altayskom kraye)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 8, pp 37-42 (USSR)

ABSTRACT: Shortage of steel pipes for casing makes it advisable to use asbestos-cement pipes in bore holes for agricultural water supply. The first work in this field was done by the Slavgorodskaya stroitel'no-montazhnaya kon-tora tresta "Altayvodstroy" (Slavgorod Construction and Assembling Office of the "Altayvodstroy" Trust) in 1957. In the Altay Kray, 103 wells with a total depth of 3584.2 m were drilled and reinforced by asbestos-cement tubes. Individual wells attained a depth of 112 m. The diameter of the casing pipes are shown in a table. The pipe bore the trademark VND-8. The wells were drilled as usual with rotor drills and the pipes were let down after the sinking of the shaft. The diameter of the bit depended on the outer Diameter of the asbestos-cement pipes. When the well was drilled to the required water-carrying level, it was reinforced by the asbestos cement pipes. The author shows by diagrams how the

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SOV-99-58-8-711

Experience in Using Asbestos-Cement Tubes for Reinforcing Bore Holes  
in the Altay Kray .

utilization of the well was started, how the pipes were  
connected, and the filter installed.  
There is 1 table and 11 diagrams.

1. Agriculture--USSR
2. Irrigation systems
3. Pipes--Materials
4. Asbestos--Applications

Card 2/2

ISAYEV, M., inzh.; RODE, A., inzh.

Standardization of fire engines. Pozh. delo 9 no.6:25-26.  
Je '63. (MIRA 16:8)

MUSTAFINA, A.M.; ISAYEV, M.A.; SOMKIN, M.I.

Potentialities of increasing excavator efficiency at the Sokolovka mine (Sokolovka-Sarbay Mining and Ore Dressing Combine). Trudy Inst. gor. dela AN Kazakh. SSR 18:12

Improving the technology of waste piling at mines of the Sokolovka-Sarbay Combine. Ibid.:60-77

(MIRA 18:12)

ISAYEV, M.D., dots.; KUNANTAYEV, M., starshiy prepodavatel'

Vladimir Il'ich Lenin and Soviet public health. Zdrav.Kazakh.  
17 no.4/5 '57. (MIRA 12:6)

1. Iz kafedry marksizma-leninisma Kazakhskogo gosudarstvennogo  
meditsinskogo instituta im. V.M.Molotova.  
(LENIN, VLADIMIR IL'ICH, 1870-1924) (PUBLIC HEALTH)



SOV/86-58-10-36/40

**AUTHOR:** Isayenko, V.I., Sen Engr Lt, and Isayev, M.D., Sen  
Tec Lt

**TITLE:** Shifting the Potentiometer of the Range Unit (Perenos  
potentsiometra bloka dal'nosti)

**PERIODICAL:** Vestnik vozdushnogo flota, 1958, Nr 10, p 86 (USSR)

**ABSTRACT:** The authors state that in their unit they decided to  
change the position of the "Transconductance" poten-  
tiometer on the front panel of the range unit so that  
the aircraft radio range finder can be calibrated  
with greater convenience during the routine mainte-  
nance work and without removing the range unit from  
the aircraft. One photo.

Card 1/1

IBAYEV, M.D., dotsent

11th Congress of the Communist Party of Kazakhstan. Zdrav.  
Kazakh. 21 no.11:3-7 '61. (MIRA 15:7)

(KAZAKHSTAN--PUBLIC HEALTH)  
(KAZAKHSTAN--ECONOMIC CONDITIONS)

KAZANTSEV, N.Ye.; ISAYEV, M.G.; CHEREVAYKO, V.P.

Plant test of a hydroxyethylated fatty acid demulsifier for  
desalting oil. Neftoper. i neftekhim. no. 4:10-12 '64.  
(MIRA 17:5)

1. Permskiy neftepereerabatyvayushchiy zavod.

KAZANTSEV, N.Ye.; ISAZIV, M.G.; CHEREVAYKO, V.L.; KOZLOVA, T.Ye.

Using sludge acid. Nefteper. i neftekhim. no.6:23-25 '64.

(MIFA 17:9)

1. Permskiy neftepererabatyvayushchiy zavod.

ISAYEV, MIR IL'YA

The Committee on Stalin Prizes for the Sciences of the USSR, in the course of its work, announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954.)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Isayev, Mir Il'ya	"Flora and Microflora of Azerbaijan"	Academy of Sciences, Azerbaijan SSR
Ali ogly		
Karyagin, I. I.		
Prilinko, L. I.		
Riza-zade, Riza		
Yakh'ya ogly		
Ul'yanishev, V. I.		

SO: W-30604, 7 July 1954

ISAYEV, M.I.

ISAYEV, M.I.

Effect of the quality of drilling fluid on the time required for  
bringing wells into exploitation as well as on their productivity.  
(MIRA 10:11)  
Neft. khoz. 35 no.8:38-40 Ag '57.  
(Oil well drilling fluids)

ISAYEV, M. I.: Master Tech Sci (diss) -- "The limits of usability of various flushing liquids in turbine drilling as a function of geological conditions". Moscow, 1958. 15 pp (Min Higher Educ USSR, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst im G. V. Plekhanov, Chair of the Development of Oil and Gas Deposits), 150 copies (KL, No 1, 1959, 119)

ISAYEV, M.I.

Stability of well walls during drilling. Izv.vys.ucheb.  
zav.; neft' i gaz 1 no.10:47-53 '58. (MIRA 12:4)

1. Leningradskiy gornyy institut imeni G.V.Plekhanova.  
(Oil well drilling)



ISAYEV, M.I.

Effect of certain rocks and electrolytes on the properties of  
flushing fluids. Izv. vyz. ucheb. zav.; neft' i gaz no. 2:39-44  
'58. (MIRA 11:8)

1. Leningradskiy gorany institut.  
(Oil well drilling fluids) (Electrolytes) (Rocks)

ISAYEV, M.I.

Effect of flushing fluids on the stability of certain rocks. Izv.  
vys. ucheb. zav.; neft' i gas no.4:51-54 '58. (MIRA 11:9)

1. Leningradskiy gornyy institut.  
(Oil well drilling fluids)

RASTORGUYEVA, V. S.; BAKAYEV, Ch. Kh.; FIREYKO, L. A.; ISAYEV, M. I.; KERLEYVA, A. A.

"Tipy dvuyazyniya u ipanskikh narodov Sovetskogo Soyuza."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

ISAYEV, M.I.; KORNILOV, N.I.

Diamond drilling is a most important potential for increasing drilling output. Razved. i okh. nedr 31 no.2:21-24 1965.  
(MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i tekhniki razvedki Gosudarstvennogo geologicheskogo komiteta SSSR (for Isayev). 2. Gosudarstvennyy geologicheskij komitet SSSR (for Kornilov).

MAL'TSEV, Yu.K., inzh.; IVANOV, N.I., kand. tekhn. nauk; ISAYEV,  
M.M., inzh.

Reconstruction of Chapaev Mine No. 2 of the "Frunzeugol'"  
Trust. Shakht. stroi. 7 no.8:24-25 Ag '63. (MIRA 16:11)

1. Shakhta No. 2 imeni Chapayeva (for Mal'tsev). 2. Donetskii  
nauchno-issledovatel'skiy ugol'nyy institut (for Isayev).

ISAYEV, M.P.

Changing the design of the drum of transfer mechanisms. Sbor.rats.  
predl.vnedr.v proizvod. no.5:28-29 '60. (MIRA 14:8)

1. Yenakiyevskiy metallurgicheskiy zavod.  
(Rolling mills—Technological innovations)

ISAYEV, Mikhail Porfir'yevich; ZABELIN, Vladimir Andreyevich; FISHER,  
S.Ya., red.; TEPLYAKOV, S.M., red.; YASHIN, P.M., red.;  
VORONTSOVA, Z.Z., tekhn. red.

[The IZh-56" and "IZh-Iupiter" motorcycles; construction,  
maintenance and driving] Mototsikly "IZh-56" i "IZh-Iupiter";  
ustroistvo, ukhod i obsluzhivanie. Pod obshchei red. S.IA.  
Fishera i S.M.Tepliakova. Izhevsk, Udmurtskoe knizhnoe izd-vo,  
1961. 207 p. (MIRA 15:3)

(Motorcycles)

L 5111-66 EWT(1)/EWT(m)/T/ENP(t)/ENP(b)/EWA(h) IJP(c) JD/AT.

ACC NR: AP5025380

SOURCE CODE: UR/0181/65/007/010/3015/3018

AUTHOR: Isayev, M. R. 4415

ORG: Institute of Physics, Dagestan Branch, AN SSSR, Makhachkala (Institut fiziki Dag. filiala AN SSSR) 44, 85

TITLE: Breakdown formation in silicon p-n junctions 21, 44, 45

SOURCE: Fizika tverdogo tela, v. 7, no. 10, 1965, 3015-3018

TOPIC TAGS: semiconductor, silicon, pn junction, silicon breakdown

ABSTRACT: The time required for the formation of breakdown by pulsed excitation is determined for silicon p-n junctions in the temperature range from 77 to 473K at various overvoltages. Square pulses of 10  $\mu$ sec duration were applied in the reverse direction of the p-n junctions. The breakdown formation time was defined as the period from the static breakdown point to the moment when a sharp drop is observed in the voltage across the specimen. The overvoltage coefficient was defined as the ratio of the square pulse voltage to the static breakdown voltage. The results were statistically analyzed and the average breakdown formation times were determined. These data were then used for plotting the average breakdown formation time as a function of temperature. It was found that the breakdown formation time increases noticeably with temperature due to a reduction in carrier mobility. As the overvoltage coefficient is increased, the breakdown formation time falls sharply while its dependence

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ACC NR: AP5025380

on temperature increases. This contradicts existing theories of "hot" electrons in solids. "I am deeply grateful to Kh. I. Amirkhanov for directing the work, and to A. Z. Efendiyev for useful consultation." Orig. art. has: 4 figures and 4 formulas. <sup>6</sup>

[14]

SUB CODE: SS/ SUBM DATE: 15Feb65/ ORIG REF: 006/

ATD PRESS: 4/34

50  
Card 2/2

RAGIMOV, M.S.; ISAYEV, M.R.

Using oil-base cement for isolating formation waters. Neft. khoz.  
36 no.6:65-68 Je '58. (MIRA 11:9)  
(Apsheron Peninsula--Oil well cementing)

SIZENKO, S.P. [Syzenko, S.P.]; ISAYEV, M.S. [Isaiev, M.S.]

Experimental model for studying the pathogenesis of stomach tumors in rabbits. Fiziol. zhur. [Ukr.] 8 no.2:269-272 Mr-Ap '62. (MIRA 15:5)

1. Otdel eksperimental'noy onkologii i radiologii Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo instituta.  
(STOMACH—CANCER)

ISAYEV, MS.S

Protective effect of  $\beta$ -mercaptoethylamine in acute radiation sickness. Azerb. med. zhur. no.10:36-42 O '62.

(MIRA 17:10)

1. Iz otdela eksperimental'noy onkolog'ii (rukovoditel' - kand. med. nauk S.P. Sizenko) Kiyevskogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir. - prof. I.T. Shevchenko).

ISAYEV, M.S., aspirant

Effect of X rays combined with the prophylactic use of beta-tercaptoethylamine on the metastatic process in the early stages of Brown-Pearce carcinoma. Azerb. med. zhur. 40 no.8:53-57 Ag '63.

(MIRA 17:12)

1. Iz otдела eksperimental'noy onkologii i radiologii Kiyevskogo nauchno-issledovatel'skogo i rentgeno-radiologicheskogo i onkologicheskogo instituta.

ISAYEV, M.S.

Characteristics of metastasis of Guerin's carcinoma following the action of radiation energy combined with the use of  $\beta$ -mercaptoethylamine. Biul. eksp. biol. i med. 57 no.1:85-87 Ja '64.

(MIRA 17:10)

1. Otdel eksperimental'noy onkologii i radiologii (rukovoditel' - kand. med. nauk S.P. Sizenko) Kiyevskogo nauchno-issledovatel'skogo rentgenoradiologicheskogo i onkologicheskogo instituta (dir. - prof. I.T. Shevchenko). Predstavlena deystvitel'nyy chlenom AMN SSSR A.V. Lebedinskim.

ISAYEV, M.S.

Characteristics of metastasizing Brown-Pearce tumors in X-ray irradiation combined with application of  $\beta$ -mercaptoethylamine. Med. rad. 10 no.1:18-20 Ja '65. (MIRA 18:7)

1. Kiyevskiy nauchno-issledovatel'skiy rentgeno-radiologicheskiy i onkologicheskiy institut i Azerbaydzhanskiy nauchno-issledovatel'skiy institut rentgenologii i radiologii.

1. ISAEV, N.

2. USSR (600)

4. Mechanical Engineering

7. For the improvement of scientific research in the economy of material resources. Za ekon. mat. No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.



ISAYEV, N., kand.med.nauk

Prevention of cold ailments in mines. Mast.ugl. 9 no.1:30-31  
Ja '60. (MIRA 13:8)

(Coal miners--Diseases and hygiene)

ISAYEV, N.

New features in the therapeutic and preventive nutrition.  
Ochr. truda i sots. strakh. 4 no.9:43 S '61. (MIRA 14:10)  
(DIET IN DISEASE)

ISAYEV, N.

Free prophylactic diet. Okhr.truda i sots.strakh. 5 no.4:37  
Ap '62. (MIRA 15:4)

(DIET KITCHENS)

USSR/Human and Animal Physiology (Normal and Pathological).  
Nervous System. Epilepsy.

T-12

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51270

Author : Isayev, N.D.

Inst : - ~~KAFAEDRA PSIKHIATRII~~ (ZAR-PROF S.S. PAVLOV) LENINGRADSKOYE PEDIATRICHESKOYE INSTITUT.

Title : Changes in Dark Adaptation in Children with Various Forms of Epilepsy under the Influence of Indirect Stimulants and Pharmacological Agents.

Orig Pub : Zh. nevropatol. i psikiatrii, 1957, 57, No 7, 885-888

Abstract : The function of light sensitivity of the optic analyzer and dark adaptation were studied in patients with various forms of epilepsy (predominantly in children). They were caused by sonic and interoceptive irritants, as well as by caffeine, phenamine, chloral hydrate, sodium amytal, and some other pharmacological substances. The fact is confirmed with regard to the predominance of inhibition in the cerebral cortex of epileptic patients. -- E.M.

Sheynbaum.

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1ST AND 2ND ORDERS																										PROCESSING AND PROPERTY INDEX																									
1ST AND 2ND ORDERS																										PROCESSING AND PROPERTY INDEX																									
<p>15847EV, IV. G.</p> <p>5</p> <p>Localized Spectrum Analysis of Low-Alloy Steel. N. G. Izrael. (Zavodskaya Laboratoriya, 1949, vol. 15, Aug., pp. 1010-1011). [In Russian]. A circuit and apparatus for the production of a localized excited zone on the specimen of low-alloy steel undergoing spectrum analysis is described, and the calibration curve obtained for the determination of chromium is shown.—S. N.</p>																																																			
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
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124 (REV. 1-5-5)

**Quantitative local spectral analysis.** N. G. Isayev.  
*Izvest. Akad. Nauk S.S.S.R., Ser. Fiz. 14, 690-92 (1957).*  
Two methods are used: (1) The photographic plate moves across the 0.5-mm. slit with a speed of 0.21 mm./min. giving 2.5 min. exposure time. The sample moves 0.06 mm./min. With 1 mm. of sample, 7 measurements of intensity are made. A package of thin plates photographed on the same plate is used as a standard. Examples of different steels having nonuniform Cr distribution are given, together with working curves. (2) In the second method both photographic plate and sample are not moving and a spark is produced between the sample and a razor blade parallel to it. The spark is reproduced as a large spectrogram. Details of the set-up are given. S. Pakswar

ISAYEV, N.G.

Local spectrum analysis. Izv.AN SSSR.Ser.fiz.19 no.2:151-152  
Mr-Apr '55. (MIRA 9:1)  
(Fartu--Spectrum analysis--Congresses)

GALONOV, P.P.; SUKHENKO, K.A.; SVENITSKIY, N.S.; ISAYEV, N.G.; TISHIN, I.G.;  
BARASHEVA, T.V.

Determination of nitrogen in steel and of hydrogen in commercial  
titanium and its alloys. Trudy kon.anal.khim. 10:190-195 '60.  
(MIRA 13:8)

(Titanium--Analysis)  
(Hydrogen--Analysis)  
(Nitrogen--Analysis)  
(Steel--Analysis)



ISAYEV, N.G.

Improvement of the spectral method for determining hydrogen  
in titanium alloys. Zav.lab. 26 no.5:577 '60, (MIRA 13:7)  
(Hydrogen--Spectra) (Titanium alloys)

*1-10/2 10-14*  
KHOKHLOV, Kuz'ma Terent'yevich; OFITSEROVA, Mariya Ivanovna, kand.ekon.  
nauk, dots.; ISAYEV, N.I., retsenzent; OCHNEV, F.P., red.;  
NIKOLAYEVA, I.I., red.izd-va; BACHURINA, A.M., tekh.red.

[Accounting and balance analysis in the Division of Workers'  
Supply] Buhgalterskii uchët i analiz balansa otdela rabocheho  
snabzheniia. Moskva, Goslesbumizdat, 1957. 230 p. (MIRA 11:5)  
(Accounting)

ISAYEV, M.I.

Study of the process of compression dispersed media. Trudy  
LTIKHP 15:109-122 '58. (MIRA 13:4)

1. Predstavlena Kafedroy protsessov i apparatov Leningradskogo  
tekhnologicheskogo instituta kholodil'noy promyshlennosti.  
(Filters and filtration) (Compressibility)

ISAYEV, N.I.

Determining pressing time for edible dispersed products under  
constant loading. Izv.vys.ucheb.zav.; pishch.tekh. no.5:119-  
123 '58. (MIRA 11:12)

1. Leningradskiy tekhnologicheskij institut kholodil'noy  
promyshlennosti, kafedra protsessov i apparatov.  
(Food)

ISAYEV, N.I.

SHATALOV, A.Ya.; ISAYEV, N.I.

Kinetics of self-dissolution and stationary potentials of manganese.  
Soob.o nauch.rab.chl.VKHO no.2:38-41 '54. (MIRA 10:10)  
(Manganese) (Electrolytic corrosion)

Isayev, N. I.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 6/27

Authors : Shatalov, A. Ya., and Isayev, N. I.

Title : Irreversible potentials and corrosion characteristics of manganese

Periodical : Zhur. fiz. khim. 28/9, 1562-1571, Sep 1954

Abstract : The electrochemical behavior of pure electrolytic and technical Mn in certain electrolytes was investigated in a wide pH range of buffer and simple unbuffered mixtures. The effect of the nature and electrolyte concentration on the electrode potential of the Mn is explained. The mechanism of Mn corrosion processes in various pH zones was studied by means of the polarization diagram method. The exponential dependence of the rate of corrosion upon the hydrogen ion concentration was observed in acid solutions, and the solution of the Mn was determined by the kinetics of the hydrogen ion discharge. Seventeen references: 14-USSR and 3-USA (1932-1953). Tables; graphs; drawing.

Institution : State University, Voronezh

Submitted : November 4, 1953



ISAYEV N. I.

TOMASHOV, Nikon Danilovich. Prinimali uchastiye: TYUKINA, M.N.; PALEOLOG, Ye.N.; CHERNOVA, G.P.; MIKHAYLOVSKIY, Yu.N.; LUNEV, A.F.; TIMO-  
NOVA, M.A.; MODESTOVA, V.N.; MATVEYEVA, T.V.; BYALOBZHESKIY, A.V.;  
ZHUK, N.P.; SHREYDER, A.V.; TITOV, V.A.; VEDENEYEVA, M.A.; LOKO-  
TILOV, A.A.; BERUKSHFIS, G.K.; DERYAGINA, O.G.; FEDOTOVA, A.Z.;  
POKIN, M.N.; MIROLYUBOV, Ye.N.; ISAYEV, N.I.; AL'TOVSKIY, R.M.;  
SHCHIGOLEV, P.V.; YEGOROV, N.G., red. 1959; KUZ'MIN, I.F.,  
tekhn.red.

[Theory of the corrosion and the protection of metals] Teoriya  
korrozii i zashchity metallov. Moskva, Izd-vo Akad.nauk SSSR,  
1959. 591 p. (MIRA 13:1)  
(Corrosion and anticorrosives)



S/137/60/000/008/009/009  
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 8, p. 316,  
# 18903

AUTHORS: Tomashov, N. D., Isayev, N. I.

TITLE: Using the Ohmic-Capacity Method to Investigate the Behavior of  
Protective Films During Corrosion of Metals in Strained State

PERIODICAL: Tr. In-ta fiz. khimiy, AN SSSR, 1959, No. 7, pp. 78-84

TEXT: The authors describe a method consisting in the combined measurement  
of a double electric layer on metal surfaces (metal-electrolyte) and of the ohmic  
resistance, to study the state of a protective oxide film during corrosion under  
tensile stress conditions. There are 7 references. 16

Yu. I.

Translator's note: This is the full translation of the original Russian abstract.

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ISAYEV, N.I.; TOMASHOV, N.D.

Amplifiers for the automatic recording of electrochemical  
potentials. Trudy Inst.fiz.khim. no.7:96-104 '59. (MIRA 13:5)  
(Electrochemistry) (Potentiometric analysis)

SOV/32-25-6-19/53

28(5)

AUTHORS:

Tomashov, N. D., Isayev, N. I.

TITLE:

Method of Investigating Corrosive and Electrochemical Properties of Metals in the State of Stress (Metod issledovaniya korrozionnykh i elektrokhimicheskikh svoystv metallov v napryazhennom sostoyanii)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 700 - 702 (USSR)

ABSTRACT:

Phase oxide films on metal surfaces exhibit a greater electric resistance so that a change in electric resistance and capacity is observable when submitting a sample to a stress causing the destruction of the oxide film. The degree of film destruction may be evaluated by the rate and magnitude of such variations. A system was devised based on this principle and used for the investigation of the surface oxide layer state according to the electric resistance-capacity method in sample stressing treatments. It may be observed from the scheme of the system (Fig 1) and from the description that an electric current supplied by an AC generator ZG-10 and having a potential of 10-15 mv is used here. The circuit compensation is done by selecting appropriate capacities with the AC current resistor KMS-6. The

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Method of Investigating Corrosive and Electrochemical  
Properties of Metals in the State of Stress

SOV/32-25-6-19/53

compensation moment is determined according to the minimum of the AC current amplitude on the oscillograph. The test takes place in a special vessel (Fig 2) in which the wire-shaped sample is stretched (diameter 1-2 mm). The experimental results obtained (Fig 3 on anodized aluminum, Fig 4 electropolished Al, Fig 5 stainless 3Kh13 steel) show that in the case of deformations damaging the oxide film the capacity of the latter is increased, electric resistance drops and the electrode potential shifts to more negative values. This holds for the case that the new-formed oxide films (on the damaged spots) exhibit a weaker electric resistance than the primary films. To be sure, also new oxide films may form whose conductivity is lower than the one of primary films as, for example, is the case with 3Kh13 steel in 12 n  $\text{HNO}_3$  (Fig 6). There are 6 figures.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of  
Physical Chemistry of the Academy of Sciences of the USSR)

Card 2/2